



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



June 27, 2002
Letter of Deficiency
DAM #063.09

Mr. Herb Lippold
Big Island Pond Corporation
P.O. Box 297
Hampstead, NH 03841

RE: Big Island Pond Dam, Derry

Dear Mr. Lippold:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on January 3, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

1. There is brush on the upstream face of the dam adjacent to the boat ramp;
2. There are trees growing on the downstream left embankment;
3. There is a lack of good grass cover on the embankments due to sandy soil conditions;
4. There is cracked and displaced concrete on the downstream training wall to the left of the low level outlet. This is a void behind the wall which has been filled with sand bags;
5. There are missing stones on the right downstream spillway training wall approximately 10 feet downstream from the flashboards;
6. The emergency action plan (EAP) was completed in September of 1994 and last updated in June of 2000. The EAP is due for updating and testing; and
7. There is an operations plan in the file dated March 1997 that describes impoundment levels during the year. There is no maintenance plan on file that describes annual maintenance activities at the site.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

October 1, 2002:

1. Remove the brush on the upstream face of the dam near the boat ramp;
2. Remove the trees on the downstream left embankment;

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3. Establish a good grass cover on the embankment;
4. Repair the downstream cracked concrete wall located to the left of the low level outlet;
5. Repair the downstream right hand side spillway stone masonry training wall;
6. Update the operations plan and prepare a maintenance plan for the site; and
7. Update and test the EAP.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,
COPY
Jeffrey M. Blaney
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13
cc: Gretchen Rule ✓

Town of Derry
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JMB/was/h:/safety/wendy/lod/063-09lod.doc